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(54) Title: A SIMPLE LOW COST METHOD AND PRODUCT FOR SCREENING TRANSGENIC AND NON-TRANSGENIC
PLANTS FROM A LARGE POPULATION EITHER IN FIELD OR GREEN HOUSE



(57) Abstract: A T_0 level, since the desired
transgene and marker gene are linked
together as well in heterozygous state, the
screening can be done with all putative
transgenic plants in Green House by
applying the marker chemical (antibiotics
etc.) on leaf to further confirming the
presence of transgene product. Here before
going for any costly method like PCR or
ELISA for putative transgenic, we can
screen the escapees from in vitro culture.
The same can be performed in large scale
screening of any such transgenic population
in field while developing transgenic hybrids,
screening back cross progenies, maintaining
foundation seed/breeder seed production,
maintaining/multiplying transgenic varieties
etc.

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